

SEQUENCE LISTING

<110> Gao, Zeren

<120> Murine Cytokine Receptor

<130> 00-46

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caggggagcag gggctctgcc ccccttgggg gggcaggacg gggcctcagg cctgggtgct	180
gtccggcacc tggaag atg cct gtg tcc tgg ttc ctg ctg tcc ttg gca ctg	232
Met Pro Val Ser Trp Phe Leu Leu Ser Leu Ala Leu	
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ggc cga aac cct gtg gtc gtc tct ctg gag aga ctg atg gag cct cag	280
Gly Arg Asn Pro Val Val Val Ser Leu Glu Arg Leu Met Glu Pro Gln	
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Asp Thr Ala Arg Cys Ser Leu Gly Leu Ser Cys His Leu Trp Asp Gly	
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Asp Val Leu Cys Leu Pro Gly Ser Leu Gln Ser Ala Pro Gly Pro Val	
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Leu Val Pro Thr Arg Leu Gln Thr Glu Leu Val Leu Arg Cys Pro Gln	
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Lys Thr Asp Cys Ala Leu Arg Val Arg Val Val Val His Leu Ala Val	
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His Gly His Trp Ala Glu Pro Glu Glu Ala Gly Lys Ser Asp Ser Glu	
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ctc cag gag tct agg aac gcc tct ctc cag gcc cag gtg gtg ctc tcc	568
Leu Gln Glu Ser Arg Asn Ala Ser Leu Gln Ala Gln Val Val Leu Ser	
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Phe Gln Ala Tyr Pro Ile Ala Arg Cys Ala Leu Leu Glu Val Gln Val	
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Val Trp Gln Leu Asp Ala Pro Cys Cys Leu Pro Gly Lys Val Thr Leu	
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Cys Trp Gln Ala Pro Asp Gln Ser Pro Cys Gln Pro Leu Val Pro Pro	
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Val Pro Gln Lys Asn Ala Thr Val Asn Glu Pro Gln Asp Phe Gln Leu	
320 325 330	
gtg gca ggc cac ccc aac ctc tgt gtc cag gtg agc acc tgg gag aag	1240
Val Ala Gly His Pro Asn Leu Cys Val Gln Val Ser Thr Trp Glu Lys	
335 340 345	
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Val Gln Leu Gln Ala Cys Ser Trp Ala Asp Ser Leu Gly Pro Phe Lys	
350 355 360	
gat gat atg ctg tta gtg gag atg aaa acc ggc ctc aac aac aca tca	1336
Asp Asp Met Leu Leu Val Glu Met Lys Thr Gly Leu Asn Asn Thr Ser	
365 370 375 380	
gtc tgt gcc ttg gaa ccc agt ggc tgt aca cca ctg ccc agc atg gcc	1384

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Val	Cys	Ala	Leu	Glu	Pro	Ser	Gly	Cys	Thr	Pro	Leu	Pro	Ser	Met	Ala		
				385					390					395			
tcc	acg	aga	gct	gct	cgc	ctg	gga	gag	gag	ttg	ctg	caa	gac	ttc	cga		1432
Ser	Thr	Arg	Ala	Ala	Arg	Leu	Gly	Glu	Glu	Leu	Leu	Gln	Asp	Phe	Arg		
			400				405					410					
tca	cac	cag	tgt	atg	cag	ctg	tgg	aac	gat	gac	aac	atg	gga	tcg	cta		1480
Ser	His	Gln	Cys	Met	Gln	Leu	Trp	Asn	Asp	Asp	Asn	Met	Gly	Ser	Leu		
		415					420					425					
tgg	gcc	tgc	ccc	atg	gac	aag	tac	atc	cac	agg	cgc	tgg	gtc	cta	gta		1528
Trp	Ala	Cys	Pro	Met	Asp	Lys	Tyr	Ile	His	Arg	Arg	Trp	Val	Leu	Val		
	430					435					440						
tgg	ctg	gcc	tgc	cta	ctc	ttg	gct	gcg	gcg	ctt	ttc	ttc	ttc	ctc	ctt		1576
Trp	Leu	Ala	Cys	Leu	Leu	Ala	Ala	Ala	Ala	Leu	Phe	Phe	Phe	Leu	Leu		
	445				450					455					460		
cta	aaa	aag	gac	cgc	agg	aaa	gcg	gcc	cgt	ggc	tcc	cgc	acg	gcc	ttg		1624
Leu	Lys	Lys	Asp	Arg	Arg	Lys	Ala	Ala	Arg	Gly	Ser	Arg	Thr	Ala	Leu		
			465						470					475			
ctc	ctc	cac	tcc	gcc	gac	gga	gcg	ggc	tac	gag	cgt	ctg	gtg	gga	gca		1672
Leu	Leu	His	Ser	Ala	Asp	Gly	Ala	Gly	Tyr	Glu	Arg	Leu	Val	Gly	Ala		
			480					485					490				
ctg	gcg	tcc	gcg	ttg	agc	cag	atg	cca	ctg	cgc	gtg	gcc	gtg	gac	ctg		1720
Leu	Ala	Ser	Ala	Leu	Ser	Gln	Met	Pro	Leu	Arg	Val	Ala	Val	Asp	Leu		
		495					500					505					
tgg	agc	cgc	cgc	gag	ctg	agc	gcg	cac	gga	gcc	cta	gcc	tgg	ttc	cac		1768
Trp	Ser	Arg	Arg	Glu	Leu	Ser	Ala	His	Gly	Ala	Leu	Ala	Trp	Phe	His		
	510					515					520						
cac	cag	cga	cgc	cgt	atc	ctg	cag	gag	ggt	ggc	gtg	gta	atc	ctt	ctc		1816
His	Gln	Arg	Arg	Arg	Ile	Leu	Gln	Glu	Gly	Gly	Val	Val	Ile	Leu	Leu		
	525				530				535						540		
ttc	tcg	ccc	gcg	gcc	gtg	gcg	cag	tgt	cag	cag	tgg	ctg	cag	ctc	cag		1864
Phe	Ser	Pro	Ala	Ala	Val	Ala	Gln	Cys	Gln	Gln	Trp	Leu	Gln	Leu	Gln		
				545					550					555			
aca	gtg	gag	ccc	ggg	ccg	cat	gac	gcc	ctc	gcc	gcc	tgg	ctc	agc	tgc		1912
Thr	Val	Glu	Pro	Gly	Pro	His	Asp	Ala	Leu	Ala	Ala	Trp	Leu	Ser	Cys		
			560					565					570				
gtg	cta	ccc	gat	ttc	ctg	caa	ggc	cgg	gcg	acc	ggc	cgc	tac	gtc	ggg		1960
Val	Leu	Pro	Asp	Phe	Leu	Gln	Gly	Arg	Ala	Thr	Gly	Arg	Tyr	Val	Gly		
		575					580					585					
gtc	tac	ttc	gac	ggg	ctg	ctg	cac	cca	gac	tct	gtg	ccc	tcc	ccg	ttc		2008
Val	Tyr	Phe	Asp	Gly	Leu	Leu	His	Pro	Asp	Ser	Val	Pro	Ser	Pro	Phe		
	590					595					600						
cgc	gtc	gcc	ccg	ctc	ttc	tcc	ctg	ccc	acg	cag	ctg	ccg	gct	ttc	ctg		2056
Arg	Val	Ala	Pro	Leu	Phe	Ser	Leu	Pro	Thr	Gln	Leu	Pro	Ala	Phe	Leu		
	605				610					615					620		
gat	gca	ctg	cag	gga	ggc	tgc	tcc	act	tcc	gcg	ggg	cga	ccc	gcg	gac		2104

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Val	Val	Val	Ser	Leu	Glu	Arg	Leu	Met	Glu	Pro	Gln	Asp	Thr	Ala	Arg
			20					25					30		
Cys	Ser	Leu	Gly	Leu	Ser	Cys	His	Leu	Trp	Asp	Gly	Asp	Val	Leu	Cys
		35					40					45			
Leu	Pro	Gly	Ser	Leu	Gln	Ser	Ala	Pro	Gly	Pro	Val	Leu	Val	Pro	Thr
	50					55					60				
Arg	Leu	Gln	Thr	Glu	Leu	Val	Leu	Arg	Cys	Pro	Gln	Lys	Thr	Asp	Cys
65					70					75					80
Ala	Leu	Arg	Val	Arg	Val	Val	Val	His	Leu	Ala	Val	His	Gly	His	Trp
				85					90					95	
Ala	Glu	Pro	Glu	Glu	Ala	Gly	Lys	Ser	Asp	Ser	Glu	Leu	Gln	Glu	Ser
			100					105					110		
Arg	Asn	Ala	Ser	Leu	Gln	Ala	Gln	Val	Val	Leu	Ser	Phe	Gln	Ala	Tyr
		115					120					125			
Pro	Ile	Ala	Arg	Cys	Ala	Leu	Leu	Glu	Val	Gln	Val	Pro	Ala	Asp	Leu
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Val	Gln	Pro	Gly	Gln	Ser	Val	Gly	Ser	Ala	Val	Phe	Asp	Cys	Phe	Glu
145					150					155					160
Ala	Ser	Leu	Gly	Ala	Glu	Val	Gln	Ile	Trp	Ser	Tyr	Thr	Lys	Pro	Arg
				165					170					175	
Tyr	Gln	Lys	Glu	Leu	Asn	Leu	Thr	Gln	Gln	Leu	Pro	Asp	Gly	Asp	Asn
			180					185					190		
Val	Leu	Leu	Thr	Leu	Asp	Val	Ser	Glu	Glu	Gln	Asp	Phe	Ser	Phe	Leu
		195					200					205			
Leu	Tyr	Leu	Arg	Pro	Val	Pro	Asp	Ala	Leu	Lys	Ser	Leu	Trp	Tyr	Lys
	210					215					220				
Asn	Leu	Thr	Gly	Pro	Gln	Asn	Ile	Thr	Leu	Asn	His	Thr	Asp	Leu	Val
225					230					235					240
Pro	Cys	Leu	Cys	Ile	Gln	Val	Trp	Ser	Leu	Glu	Pro	Asp	Ser	Glu	Arg
				245					250					255	
Val	Glu	Phe	Cys	Pro	Phe	Arg	Glu	Asp	Pro	Gly	Ala	His	Arg	Asn	Leu
			260					265					270		
Trp	His	Ile	Ala	Arg	Leu	Arg	Val	Leu	Ser	Pro	Gly	Val	Trp	Gln	Leu
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Asp	Ala	Pro	Cys	Cys	Leu	Pro	Gly	Lys	Val	Thr	Leu	Cys	Trp	Gln	Ala
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Pro Asp Gln Ser Pro Cys Gln Pro Leu Val Pro Pro Val Pro Gln Lys
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 Asn Ala Thr Val Asn Glu Pro Gln Asp Phe Gln Leu Val Ala Gly His
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 Pro Asn Leu Cys Val Gln Val Ser Thr Trp Glu Lys Val Gln Leu Gln
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 Ala Cys Ser Trp Ala Asp Ser Leu Gly Pro Phe Lys Asp Asp Met Leu
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 Ala Arg Leu Gly Glu Leu Leu Gln Asp Phe Arg Ser His Gln Cys
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 Gly Pro His Asp Ala Leu Ala Ala Trp Leu Ser Cys Val Leu Pro Asp
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 Phe Leu Gln Gly Arg Ala Thr Gly Arg Tyr Val Gly Val Tyr Phe Asp
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 Gly Leu Leu His Pro Asp Ser Val Pro Ser Pro Phe Arg Val Ala Pro
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 Leu Phe Ser Leu Pro Thr Gln Leu Pro Ala Phe Leu Asp Ala Leu Gln
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<221> misc_feature
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 <223> n = A,T,C or G

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<211> 2094

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His 65	Leu	Gln	Thr	Glu	Leu 70	Val	Leu	Arg	Cys	Gln 75	Lys	Glu	Thr	Asp	Cys 80
Asp	Leu	Cys	Leu	Arg 85	Val	Ala	Val	His	Leu 90	Ala	Val	His	Gly	His 95	Trp
Glu	Glu	Pro	Glu 100	Asp	Glu	Glu	Lys	Phe 105	Gly	Gly	Ala	Ala	Asp	Ser	Gly
Val	Glu	Glu	Pro 115	Arg	Asn	Ala	Ser	Leu 120	Gln	Ala	Gln	Val 125	Val	Leu	Ser
Phe	Gln	Ala	Tyr 130	Pro	Thr	Ala 135	Arg	Cys	Val	Leu	Leu 140	Glu	Val	Gln	Val
Pro 145	Ala	Ala	Leu	Val 150	Gln	Phe	Gly	Gln	Ser	Val 155	Gly	Ser	Val	Val	Tyr 160
Asp	Cys	Phe	Glu 165	Ala	Ala	Leu	Gly	Ser	Glu 170	Val	Arg	Ile	Trp	Ser 175	Tyr
Thr	Gln	Pro	Arg 180	Tyr	Glu	Lys	Glu	Leu 185	Asn	His	Thr	Gln	Gln 190	Leu	Pro
Ala	Leu	Pro	Trp 195	Leu	Asn	Val	Ser	Ala 200	Asp	Gly	Asp	Asn 205	Val	His	Leu
Val	Leu	Asn	Val 210	Ser	Glu	Glu 215	Gln	His	Phe	Gly	Leu 220	Ser	Leu	Tyr	Trp
Asn 225	Gln	Val	Gln	Gly 230	Pro	Pro	Lys	Pro	Arg	Trp 235	His	Lys	Asn	Leu	Thr 240
Gly	Pro	Gln	Ile 245	Thr	Leu	Asn	His	Thr	Asp 250	Leu	Val	Pro	Cys 255	Leu	
Cys	Ile	Gln	Val 260	Trp	Pro	Leu	Glu	Pro 265	Asp	Ser	Val	Arg	Thr 270	Asn	Ile
Cys	Pro	Phe	Arg 275	Glu	Asp	Pro	Arg 280	Ala	His	Gln	Asn	Leu 285	Trp	Gln	Ala
Ala	Arg	Leu	Arg 290	Leu	Leu	Thr 295	Leu	Gln	Ser	Trp	Leu 300	Leu	Asp	Ala	Pro

[illegible]